

Subsets of Medicaid Fee-for-Service Children (<19 yrs) & Medication Expenditures

DAI Results: Data Consortium

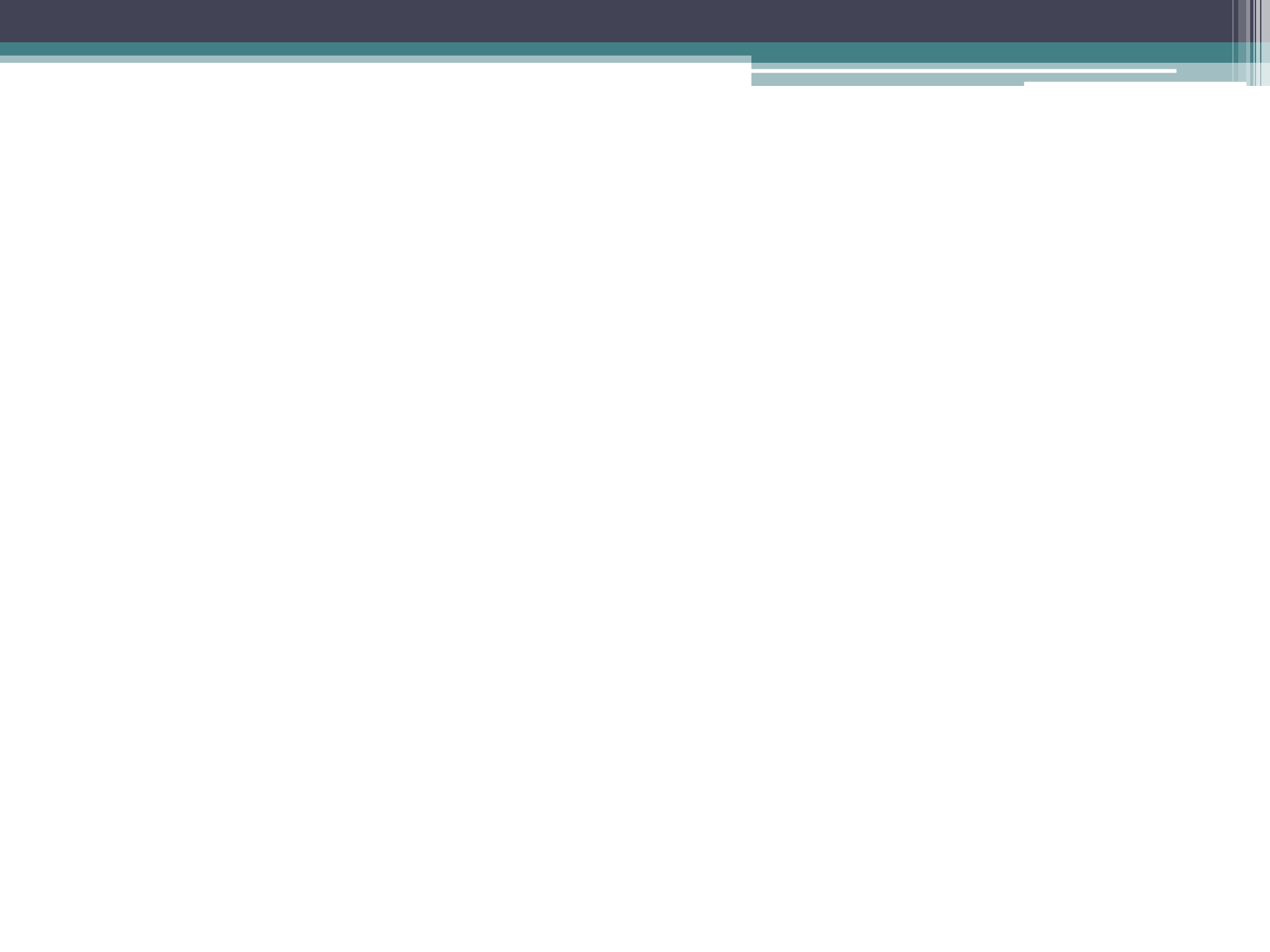
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Disclaimer & Acknowledgement

- The results and opinions contained in or expressed during this presentation are the sole responsibility of the presenter. They do not represent the official policies or opinions of KHPA.
- I want to thank Brett Ellis & Ross Merritt for their contributions to defining the cohorts. Thanks also to KHPA for allowing me access to the DAI to conduct this work. This is a work in progress: final complete results are pending.

Existing Studies of Medication Use in Children

- Rising prevalence of psychotropic med use in kids nationally
 - Especially for children enrolled in Medicaid
- Differential use patterns noted according to
 - Age, gender, and race
 - HMO vs FFS coverage
 - Foster care status
 - Disability status (aid category)
 - Autism, mental retardation, mental illness

Psychotropics such as ADHD drugs, antipsychotics, antidepressants, etc.

Benefit Plans for Children on Medicaid

Non-waiver

- Family preservation
- Foster Care
- Foster Care Severely Emotionally Disturbed
- Health Connect
- Title XIX (Medicaid)

HCBS waivers

- Autism
- Developmentally disabled
- Head injury
- PRTF-CBA
 - Psychiatric Residential Treatment Facility
- Severely emotionally disturbed
- Technology assisted

Based on benefit plans 2-6

Shift to Populations of Children

- Principal → which kids will be more similar with respect to health care/prescription drug needs
 - Create more homogeneous subgroups
 - Examine care patterns for outliers within persons with similar needs
- Distinguish between groups
 - Target interventions or policies to appropriate agencies or providers

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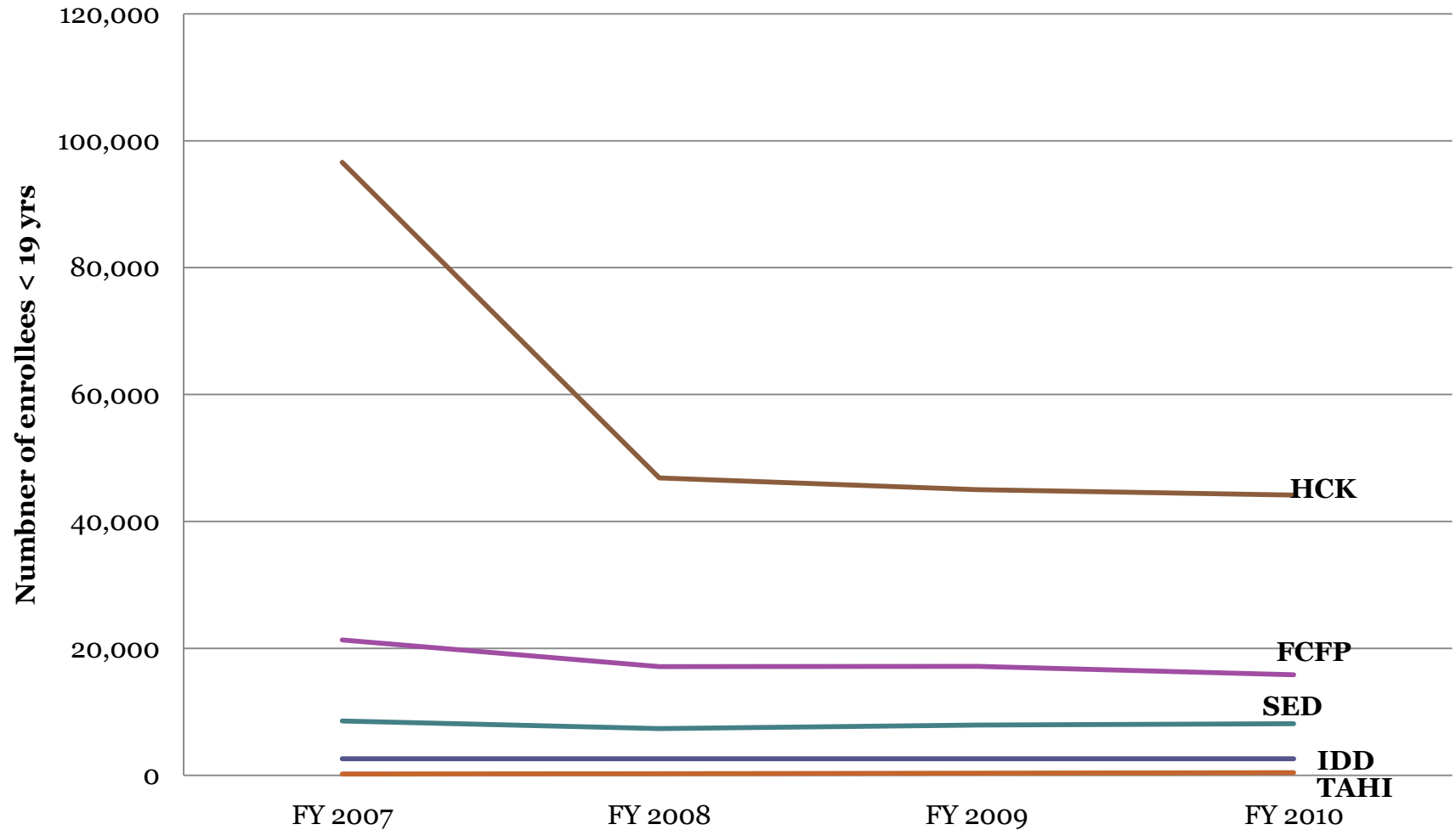
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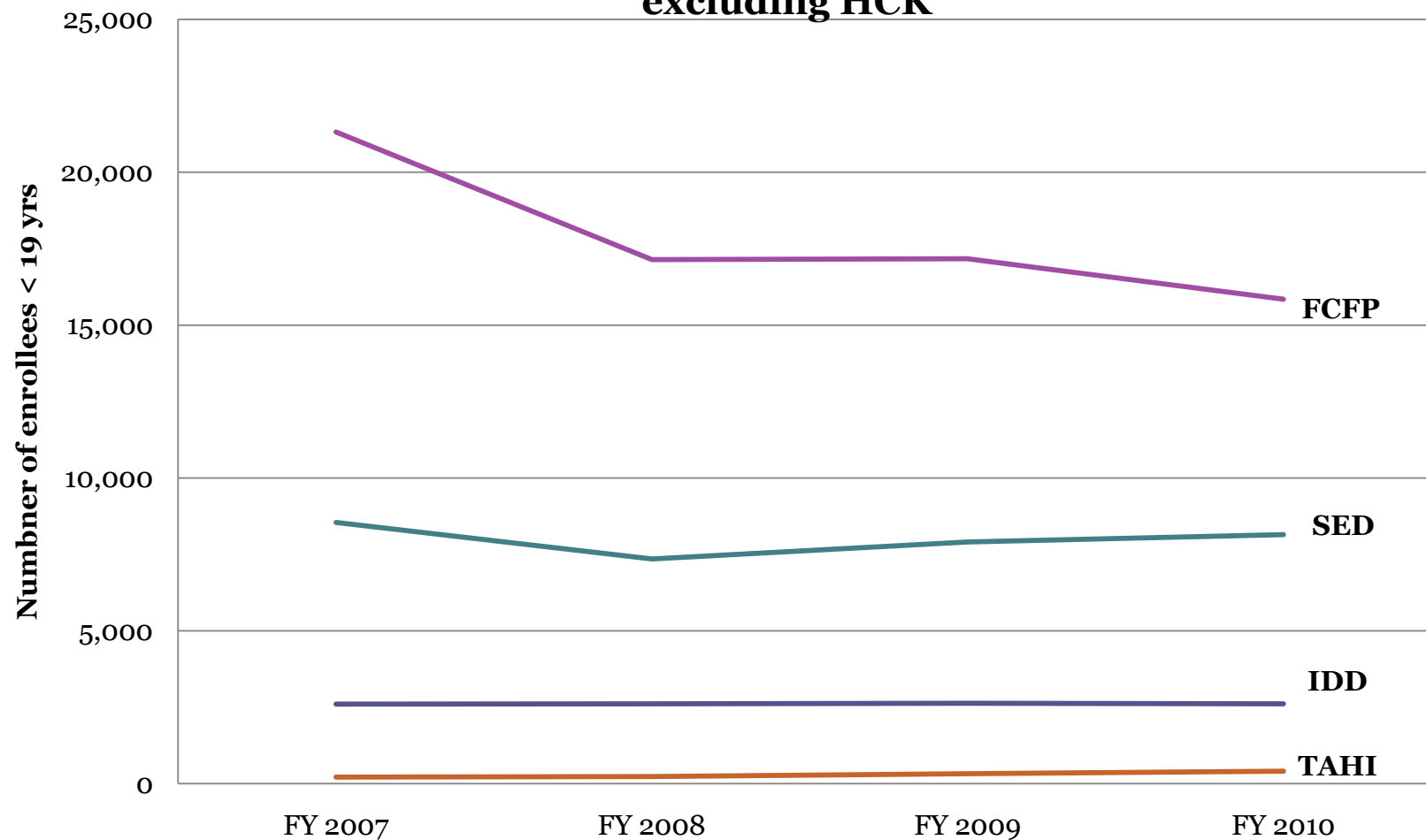
Can DAI do this for us?

- Establish mutually exclusive groups using benefit plans
 1. IDD kids (intellectual & developmental disability)
 2. SED kids (severely emotionally disturbed)
 - Not in IDD
 3. FC/FP (foster care/family preservation)
 - Not in IDD or SED
 4. TA/HI (technology assisted/head injury)
 - Not in IDD, SED, or FC/FP
 5. HCK (HealthConnect)
 - Not in IDD, SED, FC/FP, TA/HI
 6. Other: not in any group above
 - Excluding this data for now

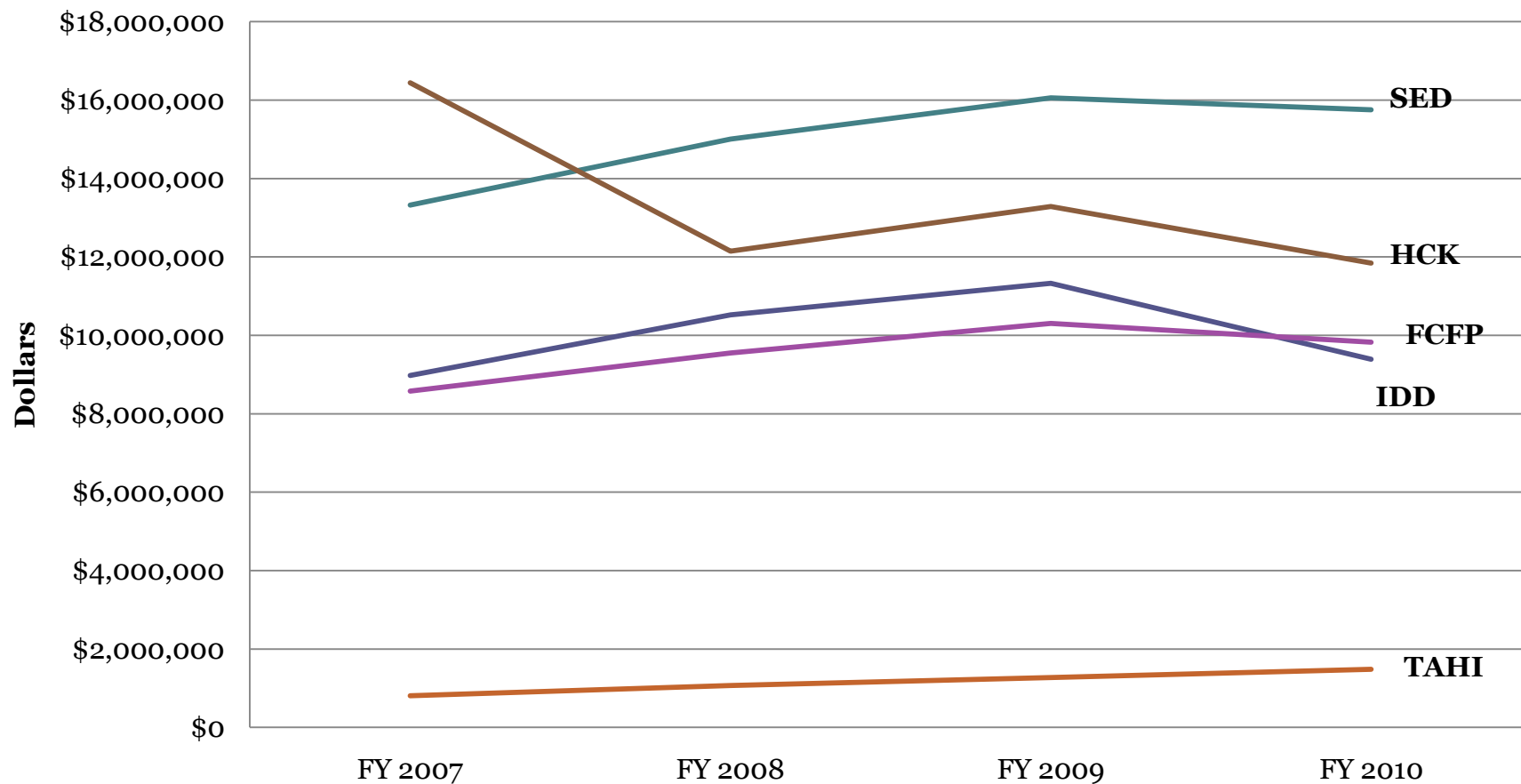
Medicaid FFS Enrollment Counts in Child Subgroups



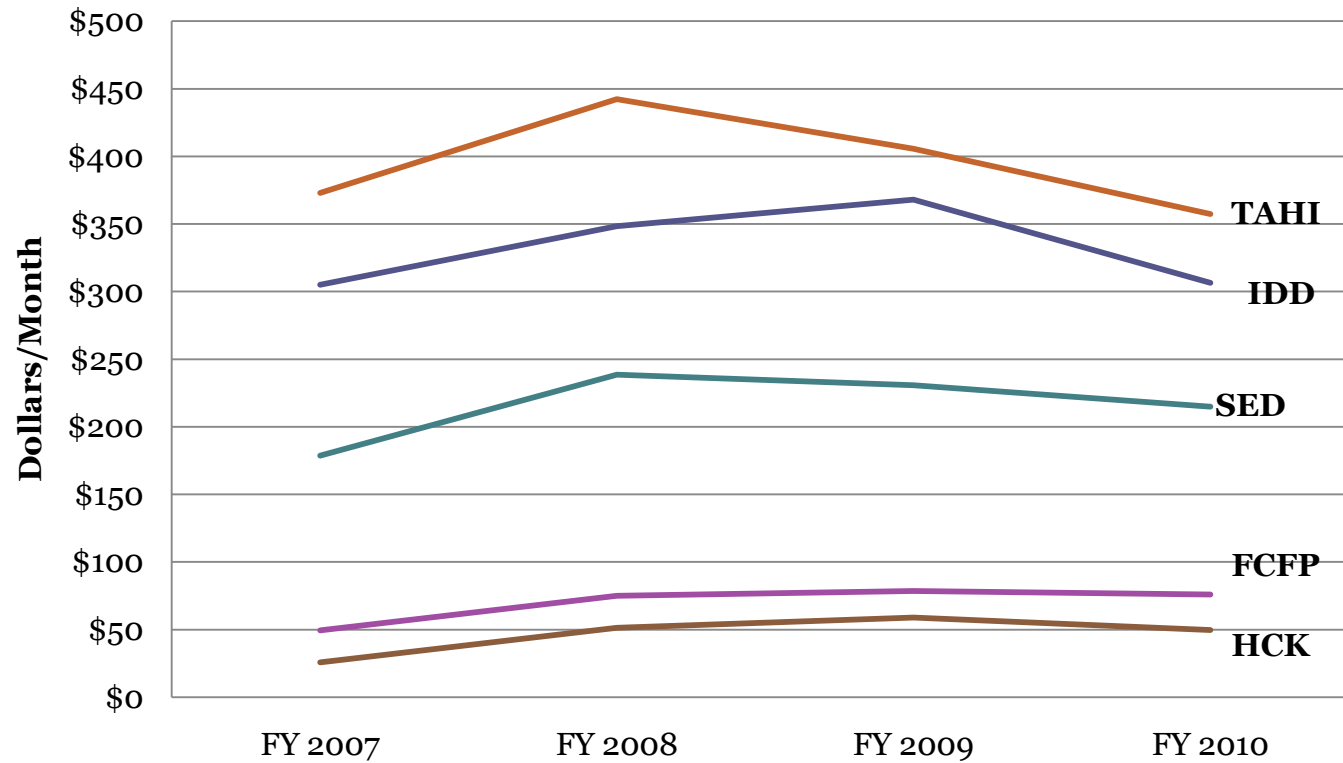
Medicaid FFS Enrollment Counts in Child Subgroups, excluding HCK



Medicaid Prescription Expenditures by Child Subgroup

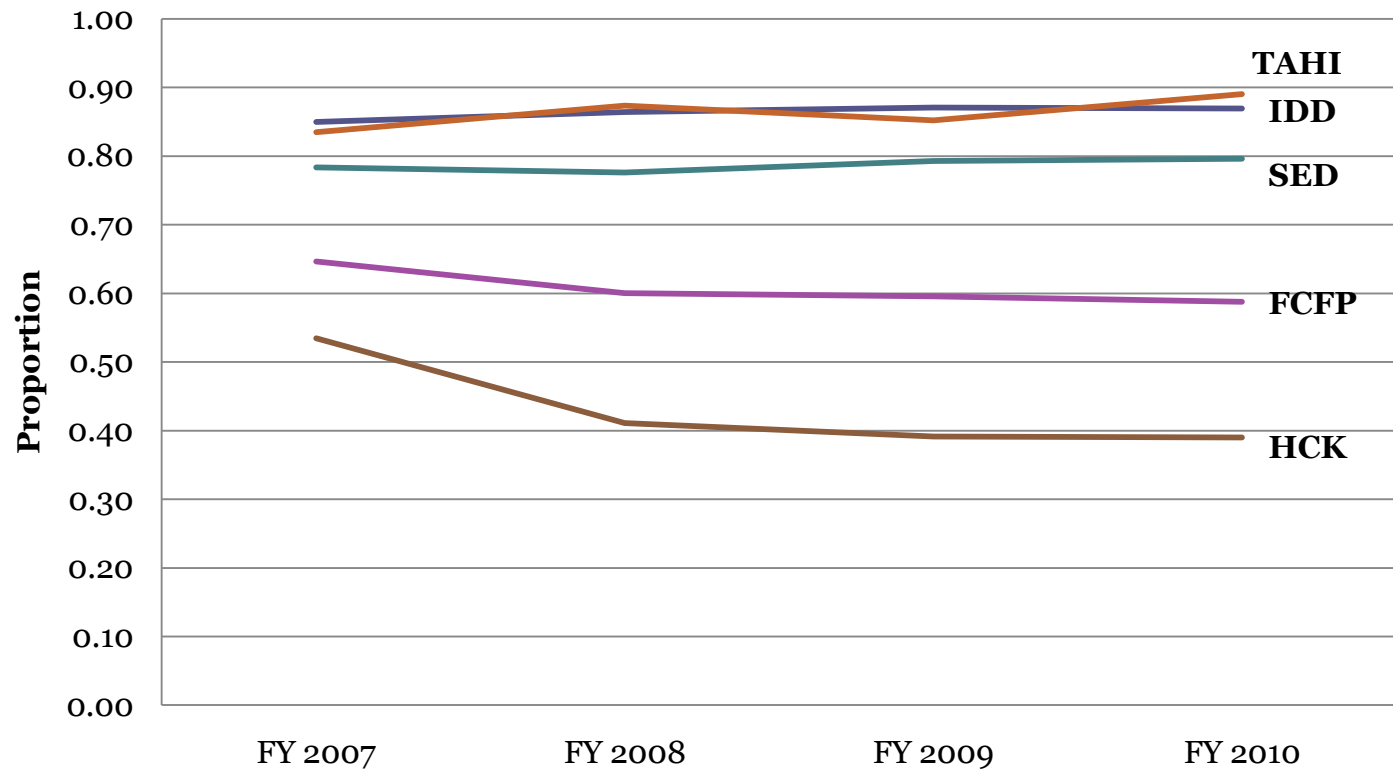


Medicaid Prescription Expenditures PMPM by Child Subgroup

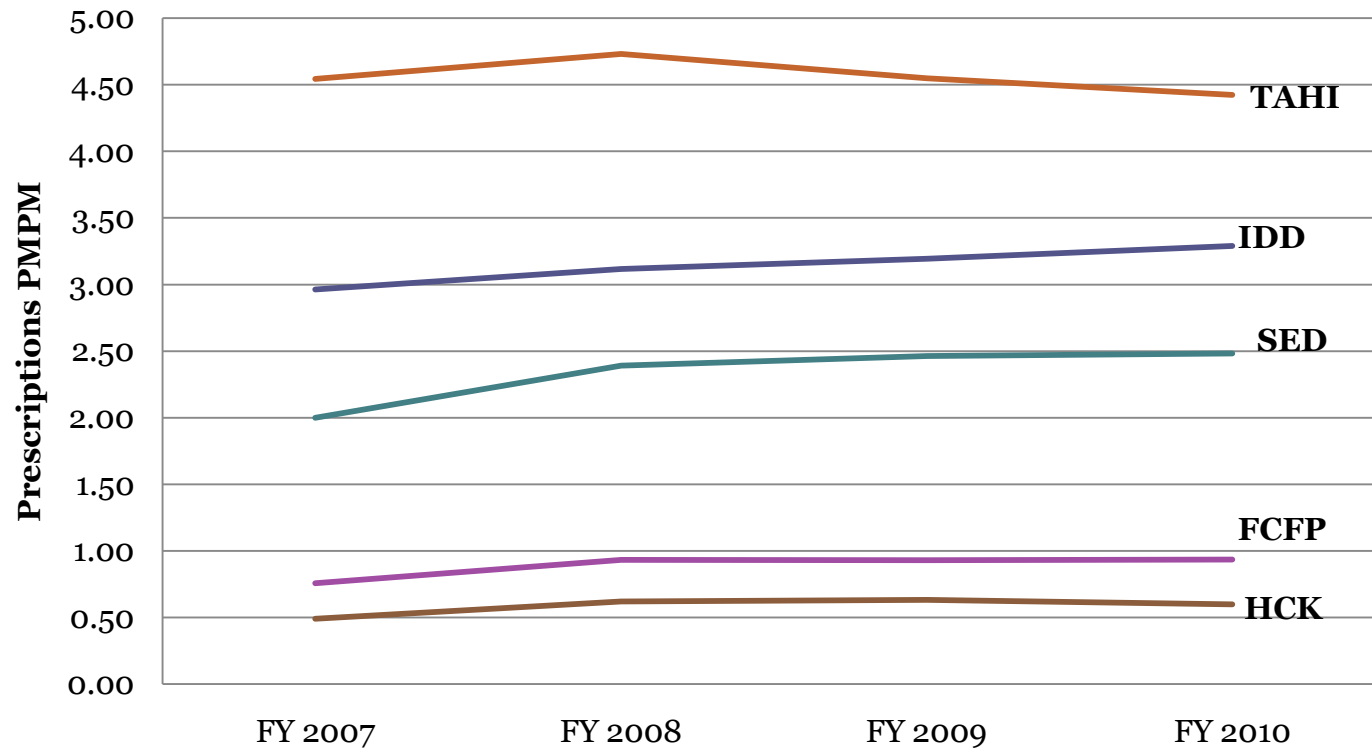


PMPM = per member per month eligible

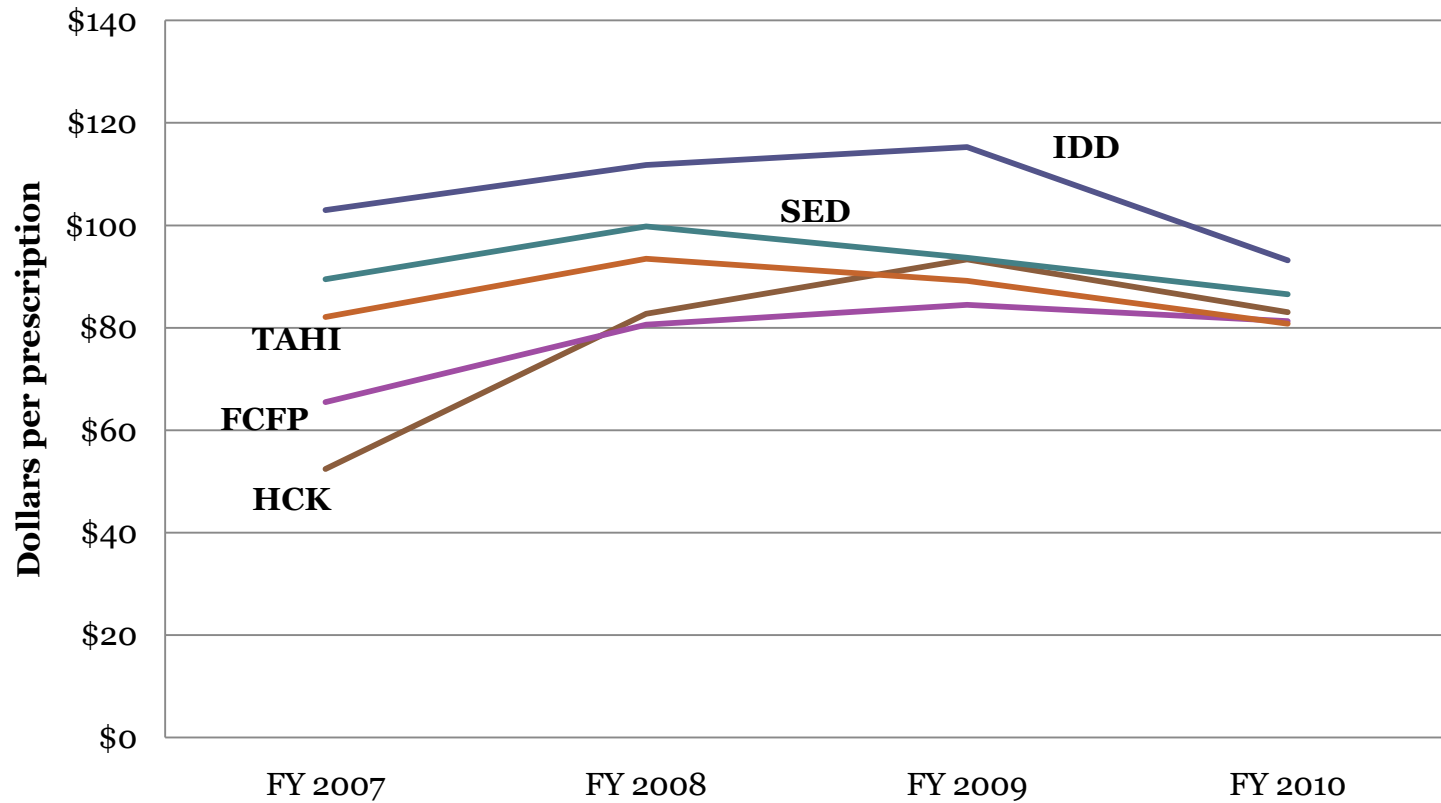
Proportion of Each Child Subgroup with a Prescription



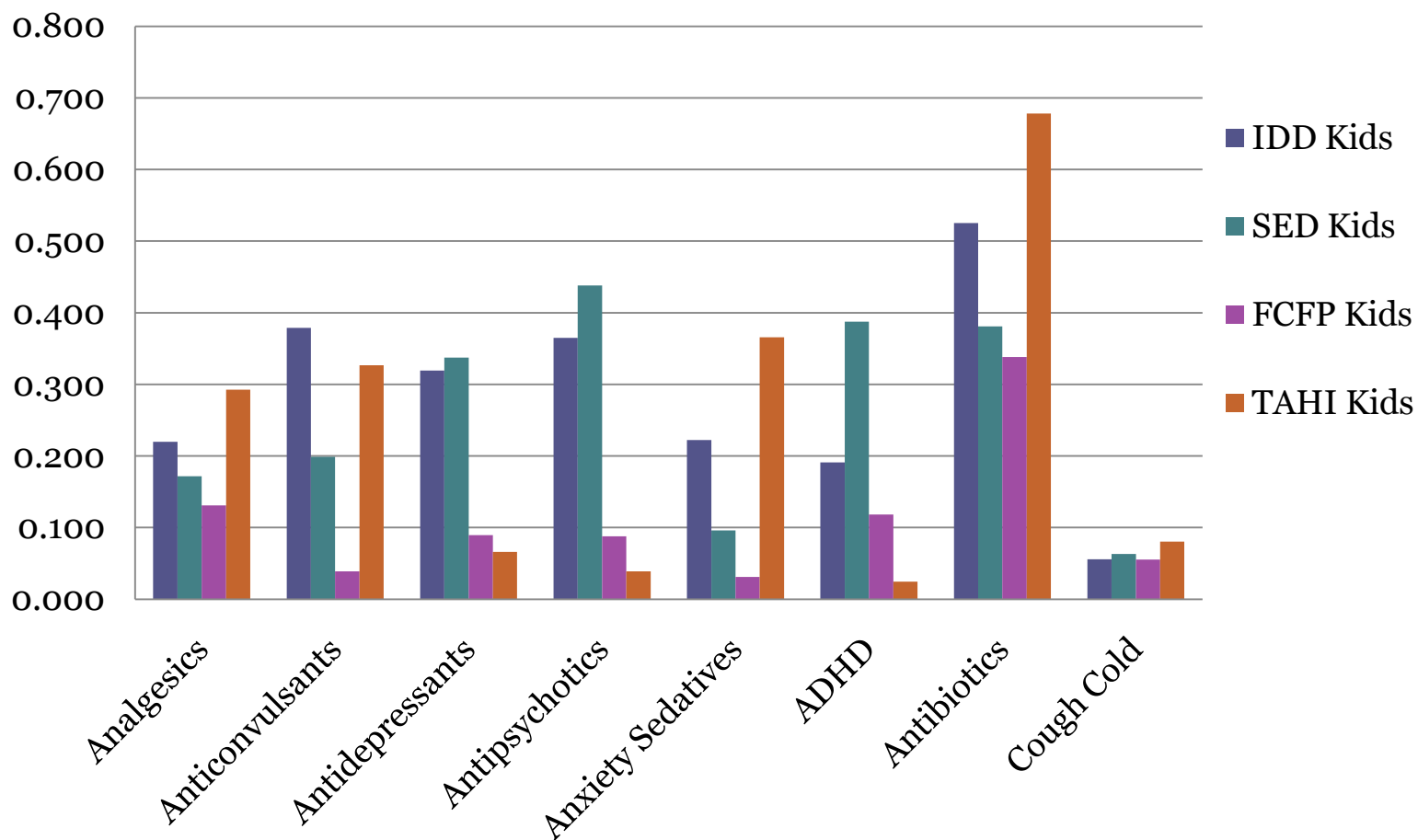
Number of Prescriptions PMPM by Child Subgroup



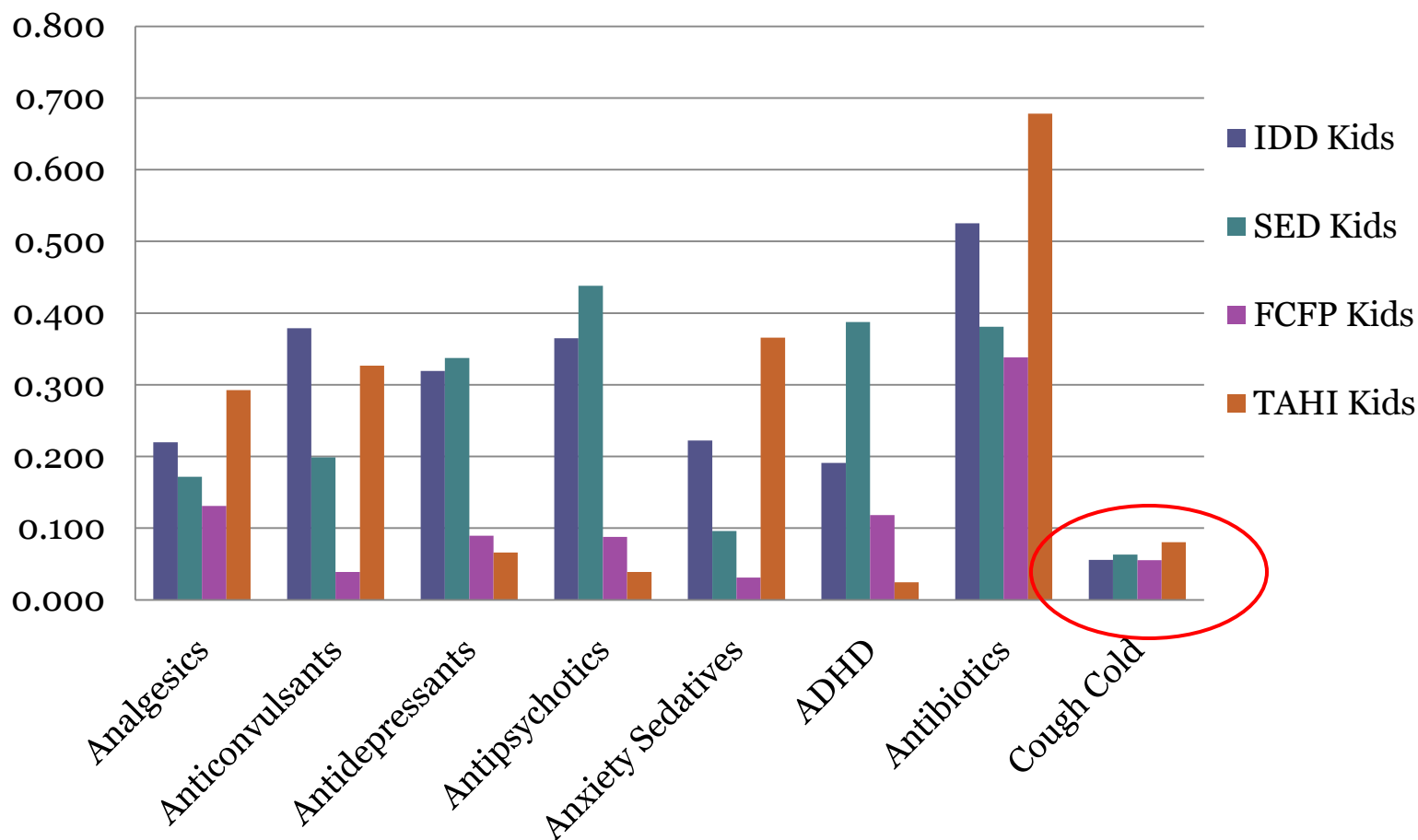
Net Pay per Prescription by Child Subgroup



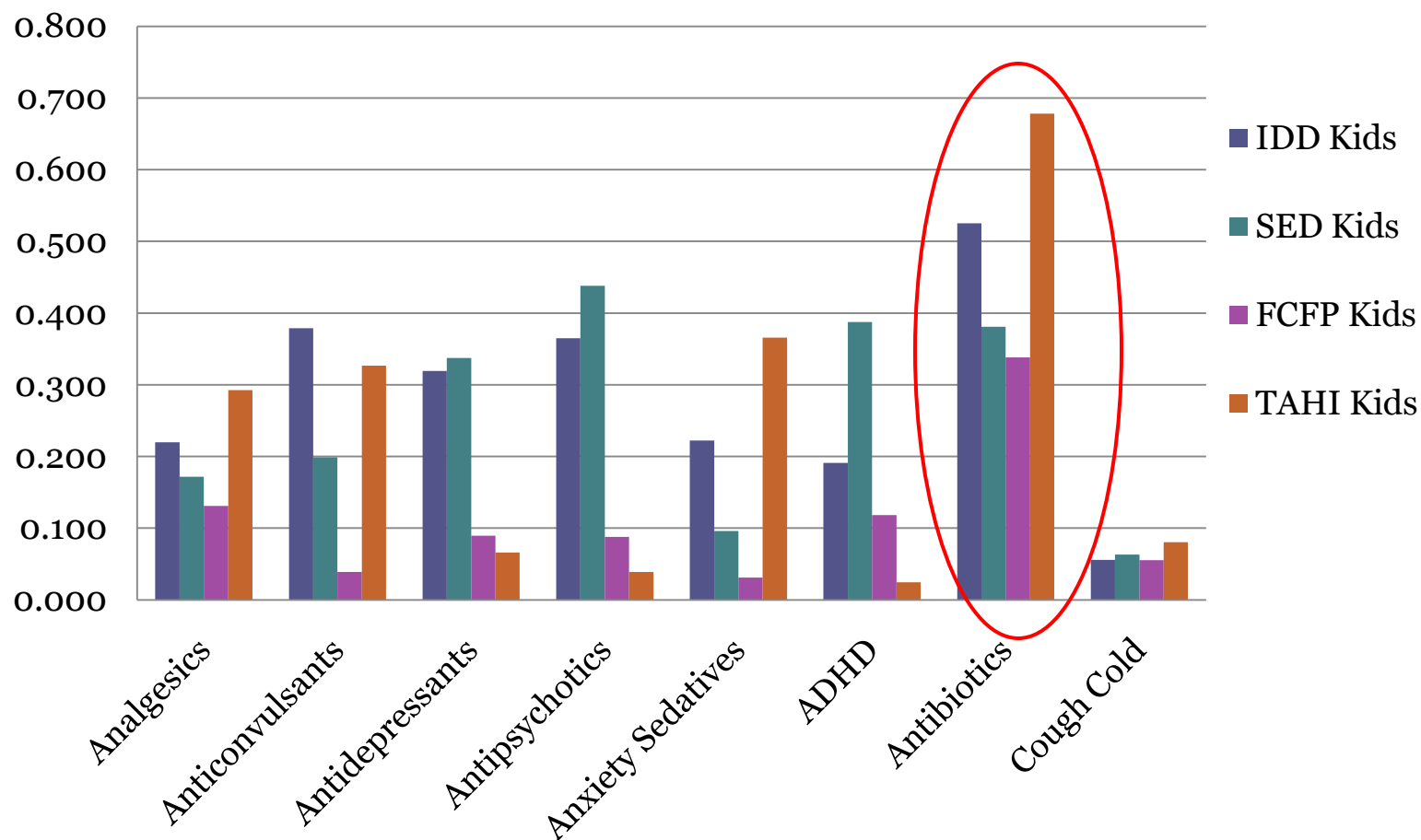
Proportion of Child Subgroups Using Various Drug Classes, FY 2010



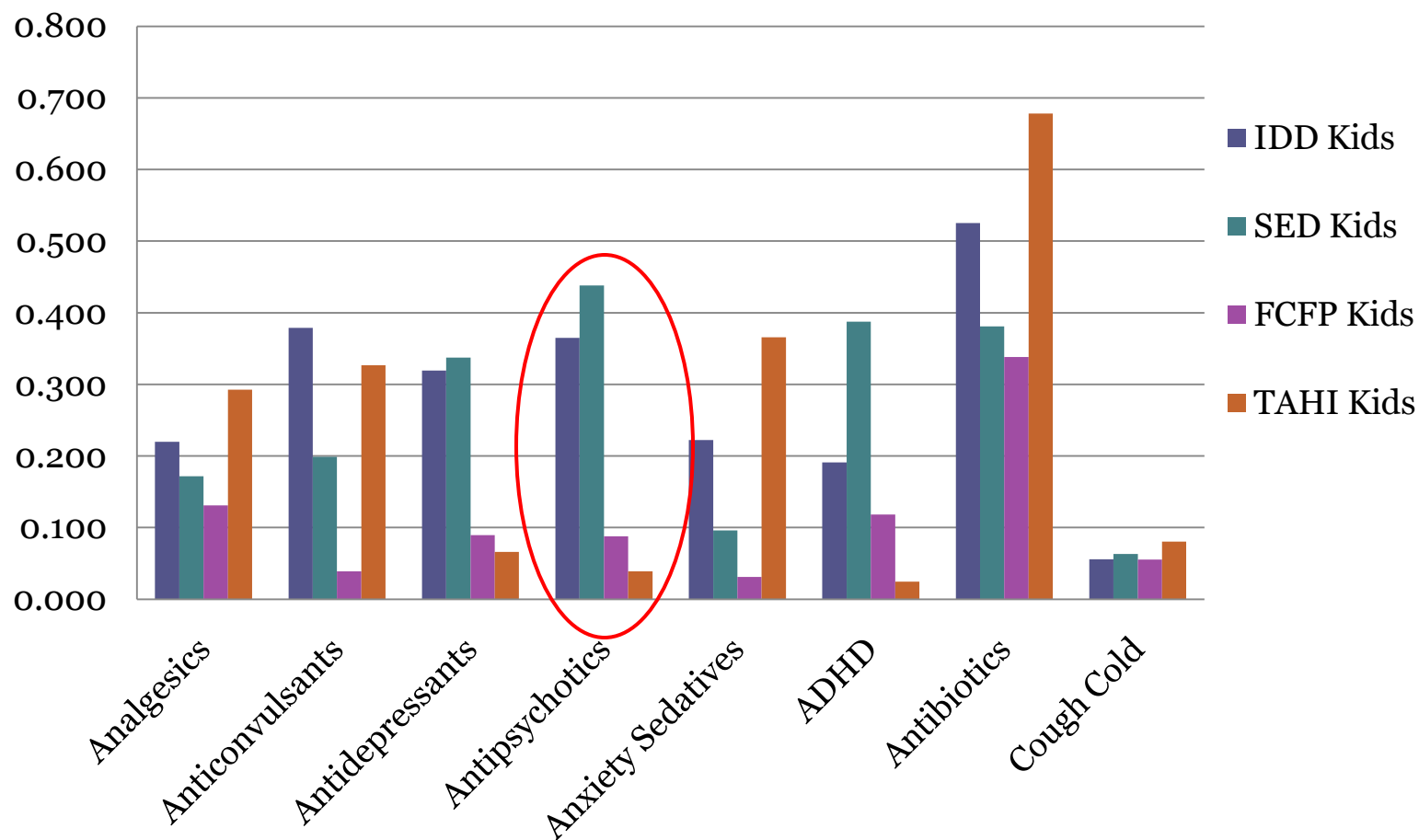
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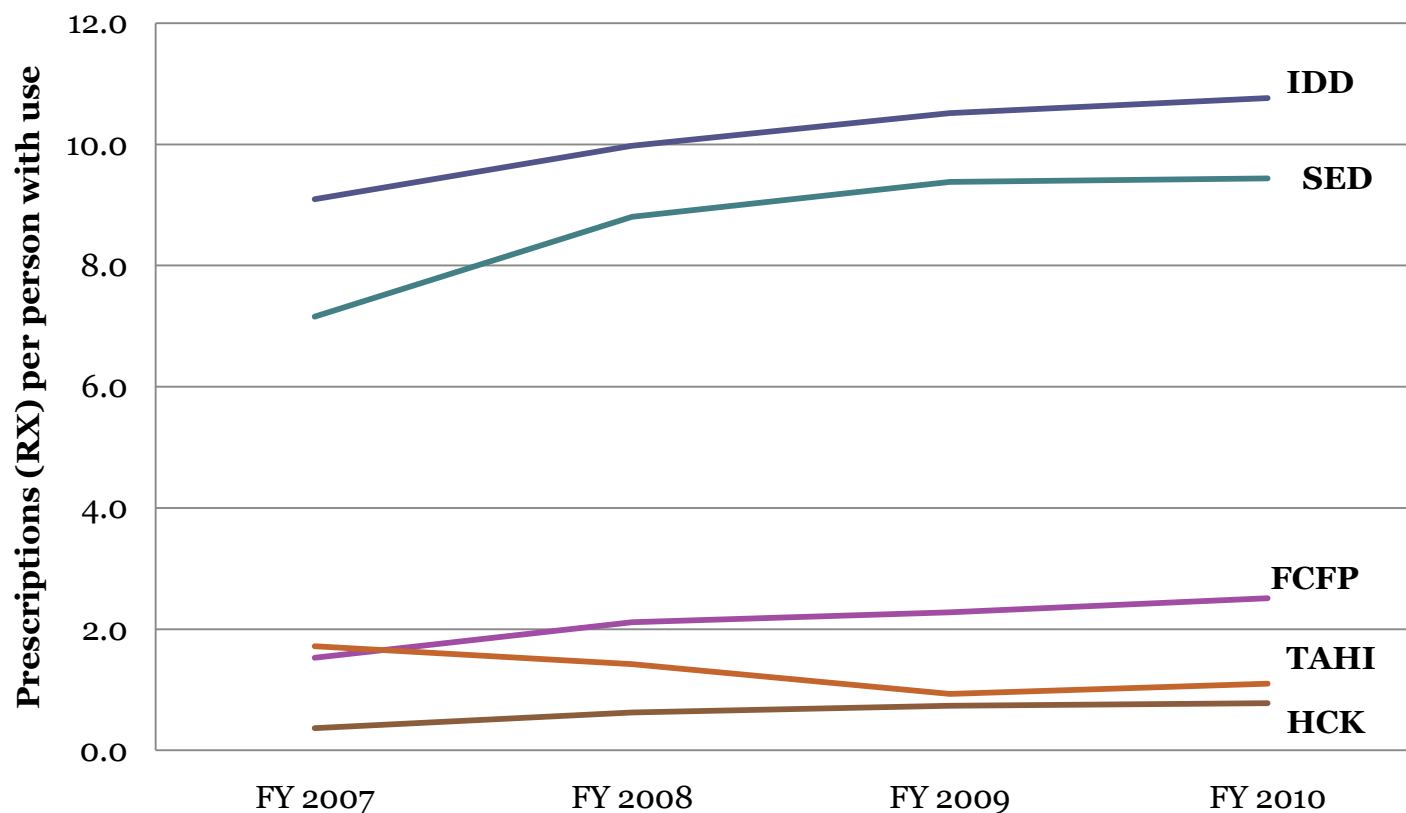
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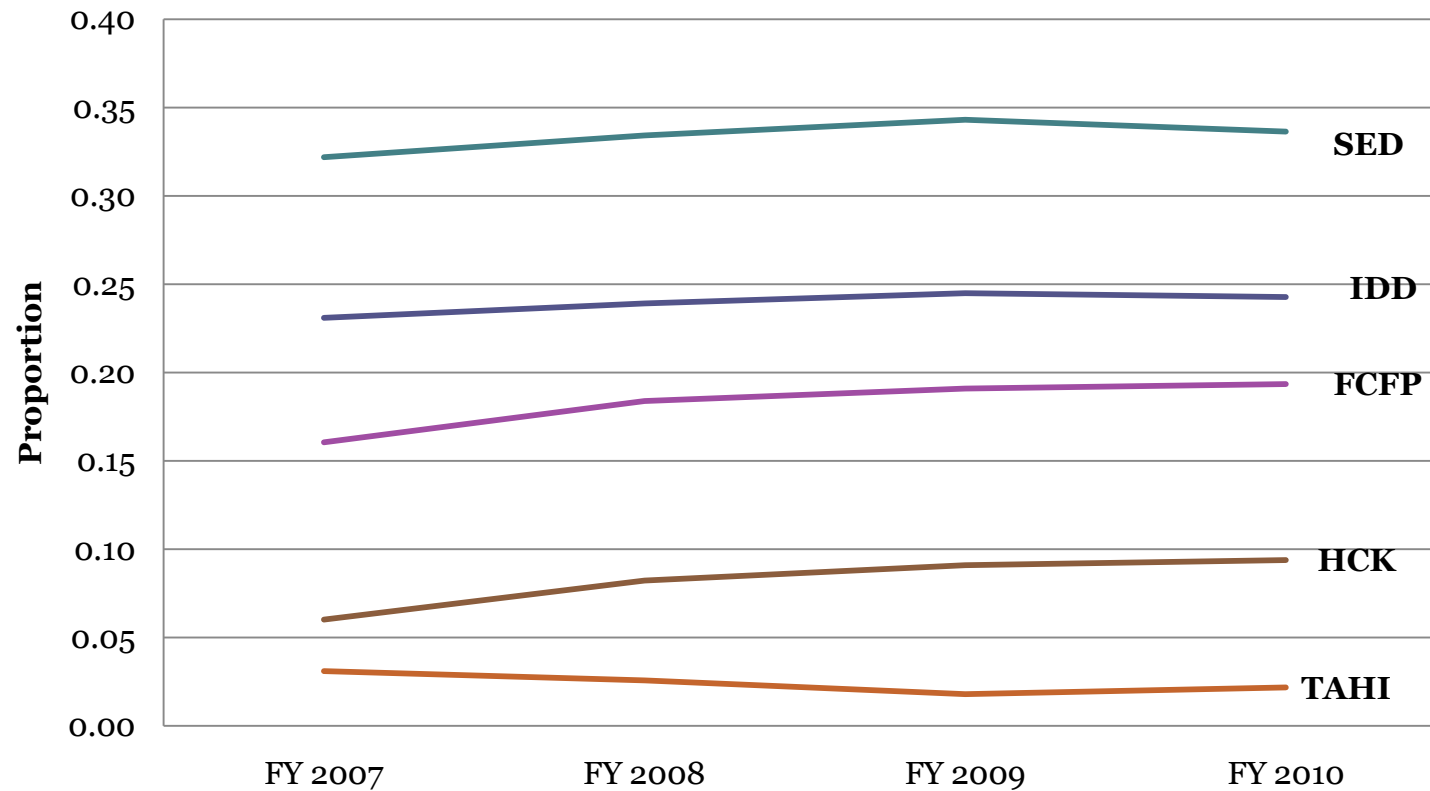


Number of Psychotherapeutic Prescriptions Per RX User by Child Subgroup



DAI definition psychotherapeutic = antidepressants, antipsychotics & tranquilizers

Percent of Prescriptions for Psychotherapeutic Agents by Child Subgroup



Well, okay then...what do we know

- Use benefit plan within DAI to create subgroups
 - Mutually exclusive groups
 - “Not in ...” subsets
- Enrollment patterns by program reflect MC migration (going into FY 2008)
 - Kept kids with special needs (waivers)

Medication use/costs

- Subgroups reflect *a priori* notions of general & psychotropic prescription drug use
 - IDD & SED children high use/cost per beneficiary
 - Foster care/family preservation lower costs including psychoactive agents than IDD/SED
 - Few TA/HI but with high relative Rx costs
 - Not much psychoactive use, though

Next steps...

- Better understand subgroups
 - Differentiate drug products used within each subset
 - Record listing extracts of drug claims for each subset
 - Therapeutic class/drug product level analyses
- Identify opportunities for quality of care/outcomes measurement
 - Incorporate medical, inpatient, other service use

Glossary for acronyms

- FCFP = foster care/family preservation
- HCK = Health Connect
- HI = head injury
- IDD = intellectually & developmentally delayed
- PRTF = psychiatric residential treatment facility
- SED = severely emotionally disturbed
- TA = technology assisted